



# Tracer and DVD

## DVD Standards and Tracer's DVD Software for UNIX

Tracer Technologies, Inc. develops, manufactures, and distributes high-performance optical storage device drivers, jukebox management, and file system software for CD-ROM, CD-Recordable, DVD, Tape, Rewritable and Write-Once optical storage peripherals. Founded in 1991, Tracer has successfully shipped to thousands of OEM, System Integrator and VAR channel customers worldwide. Tracer's year-2000 compliant software is installed in more than 10,000 end-users in over 60 countries.

Tracer offers a complete family of software products to fit your specific storage requirements. Evaluation software is free of charge and fully functional during the evaluation period. All Tracer software comes with a 90-day warranty period.

DVD has been around the corner for some time and manufacturers have introduced different standards. This document gives a brief overview of DVD standards that are available today and Tracer's software support for them. A DVD disk looks just like a CD, but some versions of DVD come in cartridges to protect it from dust and wear. DVD can be used in jukeboxes where CD-ROM drives have been replaced with DVD drives. The storage capacity increases dramatically. A 100-slot CD-ROM jukebox stores about 65Gb and a 100-slot DVD-ROM jukebox has a storage capacity of 470Gb. Tracer supports DVD in both stand-alone drives and jukeboxes with the HyperROM® for DVD product.

### DVD-R

DVD-R works just like CD-R and allows for recording of discs that can be distributed and read in other DVD drives. The current capacity of DVD-R is 3.9Gb per disc and it is a single sided media.

### DVD-RAM

This type of DVD media is very similar to magneto optical disks, although a lot cheaper. It is a rewritable media and comes in two flavors, as single- or double-sided media. The double-sided version is in a cartridge and has a capacity of 5.2Gb. The capacity of single-sided DVD-RAM is 2.6Gb.

### DVD-ROM

This is the DVD equivalent to CD-ROM, a media that cannot be written to, but with a much higher storage capacity. DVD-ROM is single sided and can hold up to 4.7Gb.

### Tracer Software for DVD

Media	Capacity (Gb) per side	Read Support	Write Support
DVD-R	3.9	Yes	No*
DVD-RAM	2.6	Yes	Yes
DVD-ROM	4.7	Yes	N/A

\* Tracer will support DVD-R write in the near future

### UDF

A standardized file system called UDF (Universal Disk Format ISO13346) has been developed to ensure compatibility across platforms for DVD. While preserving the data interchange benefits of CD's ISO9660, UDF adds rewritable features to DVD and other media. A DVD disk written on a UNIX machine will be readable on any other operating system with a UDF file system. Tracer is one of the first companies to offer UDF for UNIX.

### Tracer Software Highlights

- Tracer can read all types of DVD media.
- Support for DVD-ROM, DVD-R, DVD-RAM drives from Hitachi, Panasonic, and Pioneer.
- Support for DVD jukeboxes from Asaca, ASM, Cygnet, DSM, Pioneer, Plasmon, and others.
- Supported UNIX Platforms and versions: Digital UNIX 4.0, HP-UX 10.20, 11.x, IBM AIX 4.2.1, 4.3, 4.3.1, SCO Unixware 2.1.2, 7, SGI IRIX 6.2 – 6.5, Sun Solaris (Sparc, Intel) 2.5.1, 2.6, 7

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